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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,274	12/22/2003	Denis Lehongre	852263.409	4475
	7590 01/18/200 ECTUAL PROPERTY	EXAMINER		
701 FIFTH AVENUE, SUITE 5400			DO. CHAT C	
SEATILE, WA 98104-7092			ART UNIT	PAPER NUMBER
		2193		
SHORTENED STATUTORY	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
31 D/	AYS	01/18/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)	-
Office Action Summary	10/743,274	LEHONGRE, DENIS	
Office Action Summary	Examiner	Art Unit	
	Chat C. Do	2193	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim 11 apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. lely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 22 De	ecember 2003	•	
<u> </u>	action is non-final.		
3) Since this application is in condition for allowan		secution as to the merits is	
closed in accordance with the practice under E			
		,	
Disposition of Claims			
4) Claim(s) 1-53 is/are pending in the application.			
4a) Of the above claim(s) is/are withdraw	vn from consideration.		
5) Claim(s) is/are allowed.			
6) Claim(s) is/are rejected.		*	
7) Claim(s) is/are objected to.	·		
8) \boxtimes Claim(s) <u>1-53</u> are subject to restriction and/or e	election requirement.		
Application Papers			
9) The specification is objected to by the Examine	r.		
10) The drawing(s) filed on is/are: a) □ acce	epted or b) objected to by the E	Examiner,	
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	: 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).	
11) ☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.	
Priority under 35 U.S.C. § 119	,		
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:	priority under 35 U.S.C. § 119(a)	-(d) or (f).	
 Certified copies of the priority documents 	s have been received.		
Certified copies of the priority documents	s have been received in Applicati	on No	
3. Copies of the certified copies of the prior	ity documents have been receive	ed in this National Stage	
application from the International Bureau	ı (PCT Rule 17.2(a)).	·	
* See the attached detailed Office action for a list	of the certified copies not receive	d.	
Attachment(s)			
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	nte	
Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal P 6) Other:	atent Application	

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DETAILED ACTION

Election/Restrictions

- 1. There is no generic to the following disclosed patentably distinct species:
 - a. Species I: claims 1, 3-4, 15, 17, 43, 46, and 48 are directed to conversion circuit with 2^n -1 elements and T(x) 0 if x larger than R.
 - b. Species II: claims 2, 5-6, 16, 18, 42, 47, and 49 are directed to conversion circuit with 2^n elements and T(x) 0 if x larger than R.
 - c. Species III: claims 7, 9-10, 14, 19, 21, 45, 50, and 52 are directed to conversion circuit with 2^n -1 elements and T(x) 1 if x larger than R.
 - d. Species IV: claims 8, 11-13, 20, 22, 44, 51, and 53 are directed to conversion circuit with 2ⁿ elements and T(x) 1 if x larger than R.

Claims 23-41 will be examined along with any selected Species.

The species are independent or distinct because each of Species I-IV requires a particular condition for conversion. Applicant is required under 35 U.S.C. 121 to elect a single disclosed species, even though this requirement is traversed. Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

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Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

2. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chat C. Do whose telephone number is (571) 272-3721. The examiner can normally be reached on Tue-Fri 9:00AM to 7:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Chat C. Do Examiner Art Unit 2193

January 11, 2007

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